

# Converting Colors

XYZ(73.2235, 79.9859, 88.4339)

Have a look what the booklet for  
XYZ(73.2235, 79.9859, 88.4339)  
contains.

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# Color

**XYZ(73.3298, 80.2053,  
88.7071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAEBE9
RGB	218, 235, 233
RGB Percent	85%, 92%, 91%
CMY	0.1451, 0.0784, 0.0863
CMYK	0.07, 0.00, 0.01, 0.08
HSL	173°, 30%, 89%
HSV	173°, 7%, 92%
XYZ	73.3298, 80.2053, 88.7071
YIQ	229.6890, -9.4900, -4.2260

# Conversions

## Conversions Part 2

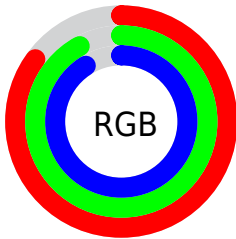
Format	Color
R <sub>Y</sub> B	218, 227, 235
Decimal	14347241
CIE Lab	91.78, -5.97, -0.97
CIE LCh	92, 6.052, 189.240
Yxy	80.2053, 0.3027, 0.3311
Android (android.graphics.Color)	4292537321 (0xFFDAEBE9)
YUV	229.6890, 1.6323, -10.2513
Hunter-Lab	89.5574, -10.5693, 3.9631

# Details

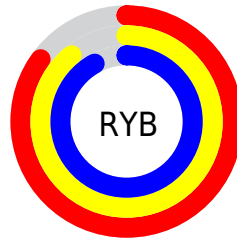
The XYZ color **73.3298, 80.2053, 88.7071** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2536, 72.9745, 77.9913**, and the grayscale version is **74.9792, 78.8840, 85.9047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1602, 43.2011, 47.8696** is the 20% darker color. If you saturate the color by 10%, you get **66.4025, 76.6817, 86.3355**, and if you desaturate by 10%, it is **81.2643, 84.2518, 91.1616**.

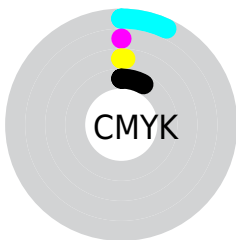
# Distribution



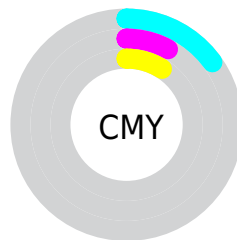
- Red (85%)
- Green (92%)
- Blue (91%)



- Red (85%)
- Yellow (89%)
- Blue (92%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3298, 80.2053, 88.7071 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.3298, 80.2053, 88.7071 by changing the saturation by 10% instead.



73.3298, 80.2053,  
88.7071

73.3298, 80.2053,  
88.7071

461.2432,  
495.6244, 544.2773

54.5350, 59.8873,  
66.3412

122.9459,  
133.6543, 147.4610

39.2619, 43.3278,  
48.0912

154.4979,  
167.5542, 184.6860

27.1452, 30.1424,  
33.5386

191.0331,  
206.7501, 227.7011

17.8194, 19.9467,  
22.2649

232.9167,  
251.6264, 276.9249

10.9193, 12.3563,  
13.8515

280.5142,  
302.5677, 332.7758

6.0795, 6.9868,  
7.8799

334.1908,

2.9346, 3.4539,

359.9581, 395.6725

3.9315

394.3121,  
424.1823, 466.0335

■ 1.1193, 1.3730,  
1.5878

■ 0.0412, 0.1967,  
0.2821

■ 73.3298, 80.2053,  
88.7071

■ 73.3298, 80.2053,  
88.7071

■ 66.4025, 76.6817,  
86.3355

■ 81.2643, 84.2518,  
91.1616

■ 60.4338, 73.6494,  
84.0393

■ 86.4619, 86.8845,  
93.5189

■ 55.3813, 71.0886,  
81.8182

■ 86.8733, 87.0490,  
95.6849

■ 51.1968, 68.9747,  
79.6696

■ 87.2909, 87.2161,  
97.8840

■ 47.8275, 67.2802,  
77.5911

■ 87.7148, 87.3857,  
100.1164

■ 45.2150, 65.9753,  
75.5796

■ 88.1451, 87.5578,  
102.3823

■ 43.2932, 65.0257,  
73.6319

■ 88.5818, 87.7324,  
104.6817

■ 41.9841, 64.3912,  
71.7443

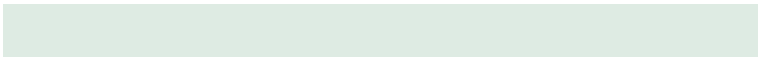
■ 88.9998, 87.8997,  
106.8833

■ 41.1861, 64.0196,  
69.9118

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4807, 80.2053, 84.3404



73.3298, 80.2053, 88.7071



73.9485, 80.2053, 92.8391

# Triad

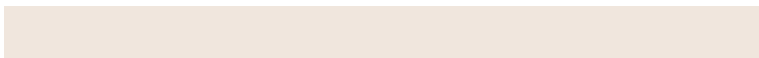
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3298, 80.2053, 88.7071



78.1329, 80.2053, 94.1063



77.2936, 80.2053, 79.5921

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



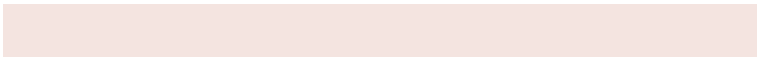
73.3298, 80.2053, 88.7071



72.2536, 72.9745, 77.9913

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5635, 80.2053, 82.0431



73.3298, 80.2053, 88.7071



79.0526, 80.2053, 90.3893

# Square

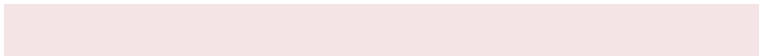
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3298, 80.2053, 88.7071



76.7121, 80.2053, 96.0251



79.2113, 80.2053, 85.9671



75.7554, 80.2053, 79.1761



# Rectangle

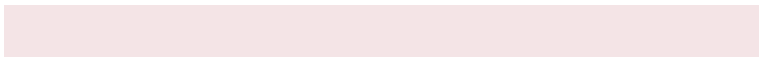
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3298, 80.2053, 88.7071



74.7191, 80.2053, 94.8690



79.2113, 80.2053, 85.9671



77.7666, 80.2053, 80.2013

# Sweetspot

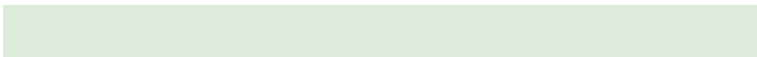
The Sweet Spot groups the original color and five complimentary colors.



73.3321, 80.2087, 88.7089



93.1019, 99.0069, 108.3046



71.9617, 79.7394, 77.9295



19.9480, 21.2019, 23.1879



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3321, 80.2087, 88.7089



86.6725, 95.7312, 106.2512



71.8661, 76.8160, 89.6405



15.4368, 17.0895, 18.9829



22.8544, 35.5962, 38.7938



1.8163, 2.8038, 3.1602

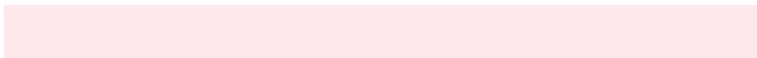


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.2536, 72.9745, 77.9913



85.0706, 84.9853, 90.3314



73.6371, 76.1636, 77.1510



15.1377, 15.0829, 16.0102



19.2063, 9.8852, 1.6216

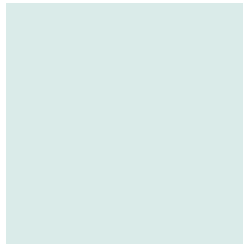


1.5318, 0.7857, 0.2521



# Previews

## White Background



This preview shows how the XYZ color 73.3298, 80.2053, 88.7071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

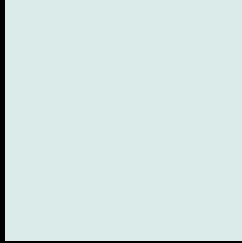
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3298, 80.2053, 88.7071 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

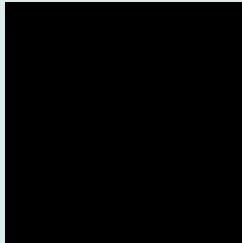
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

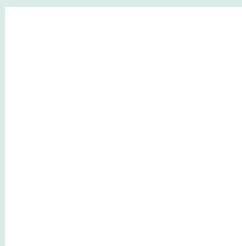
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3298, 80.2053, 88.7071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3298, 80.2053, 88.7071.



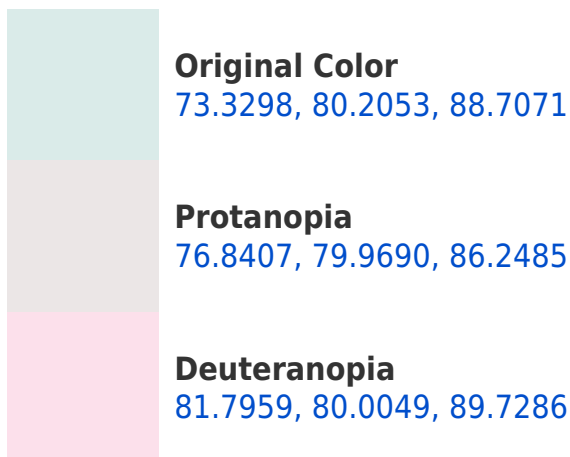
This preview shows how white text looks on a background with the XYZ color 73.3298, 80.2053,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

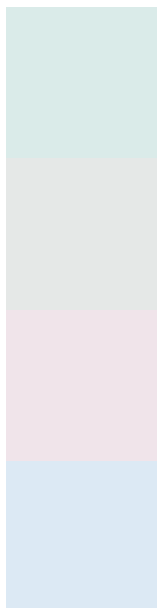




## **Tritanopia**

76.0880, 80.0504, 102.7078

# Trichromacy



## Original Color

73.3298, 80.2053, 88.7071

## Protanomaly

75.5935, 80.1408, 87.0858

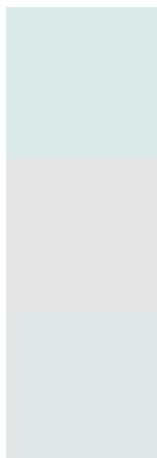
## Deuteranomaly

78.5299, 79.9526, 89.1353

## Tritanomaly

74.9832, 80.0251, 97.0823

# Monochromacy



## Original Color

73.3298, 80.2053, 88.7071

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.6444, 79.6515, 87.0414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3298, 80.2053, 88.7071 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(218, 235, 233) looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3298, 80.2053, 88.7071 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 235, 233) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 235, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3298, 80.2053, 88.7071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218,  
235, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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